

Utah Water Development Commission

June 18, 2013

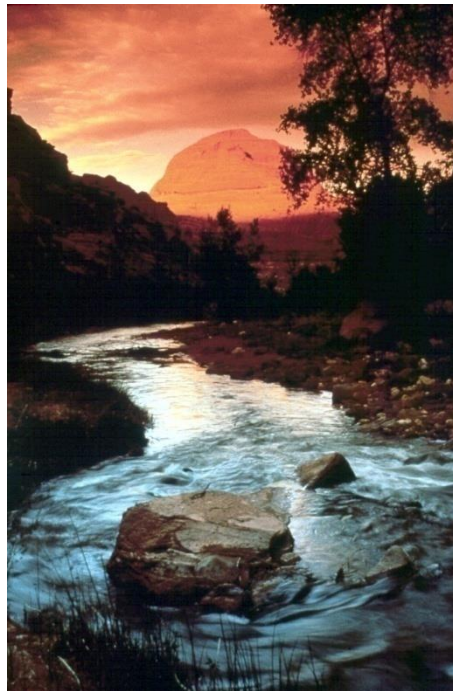
Dennis J Strong, PE

Director Utah Division of Water Resources



Utah Division of Water Resources' Mission

- Plan, Conserve, Develop and Protect Utah's Water



BOARD OF WATER RESOURCES

SUMMARY OF PROJECT TYPES

1947- FY 2012

Projects With Feature	Project Type	Board Funds
33	Dam Safety Construction Projects	\$ 65,164,200
132	Dams, Dam Repair, Enlargement	121,105,726
56	Diversion Dams	6,072,736
62	Wells	2,831,089
155	Canals and Canal Linings	31,239,489
107	Pipelines	90,326,468
231	Sprinkler Systems	81,280,726
97	Dual Water Systems	116,297,362
453	Municipal and Domestic Systems	189,039,853
62	Miscellaneous	10,732,374
1388	TOTAL	\$ 714,090,023



Board of Water Resources

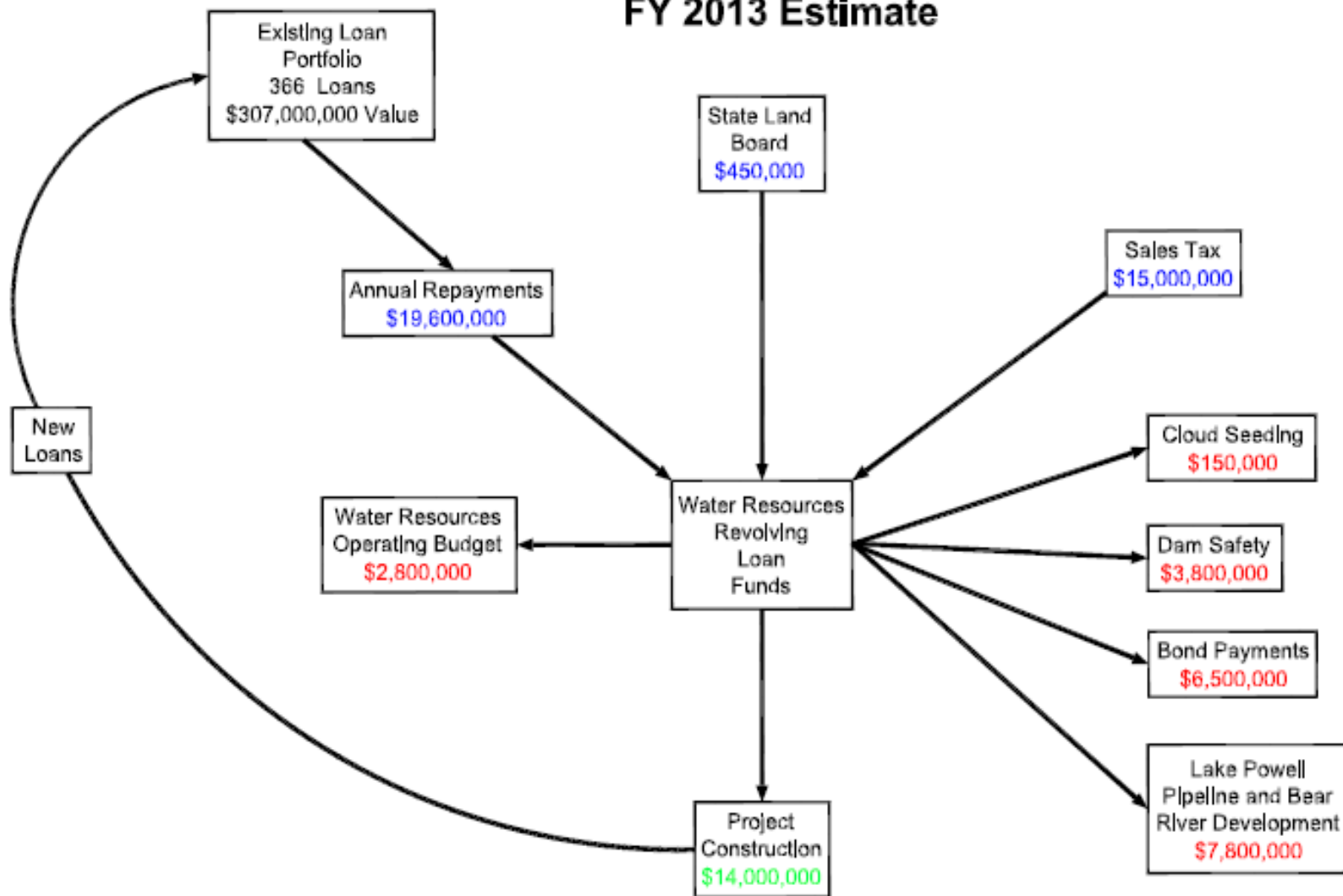
Repayments

Construction
Funds

Sponsor



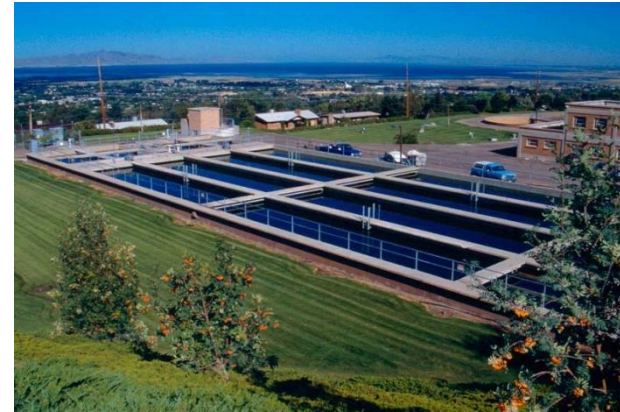
Board of Water Resources Funding FY 2013 Estimate



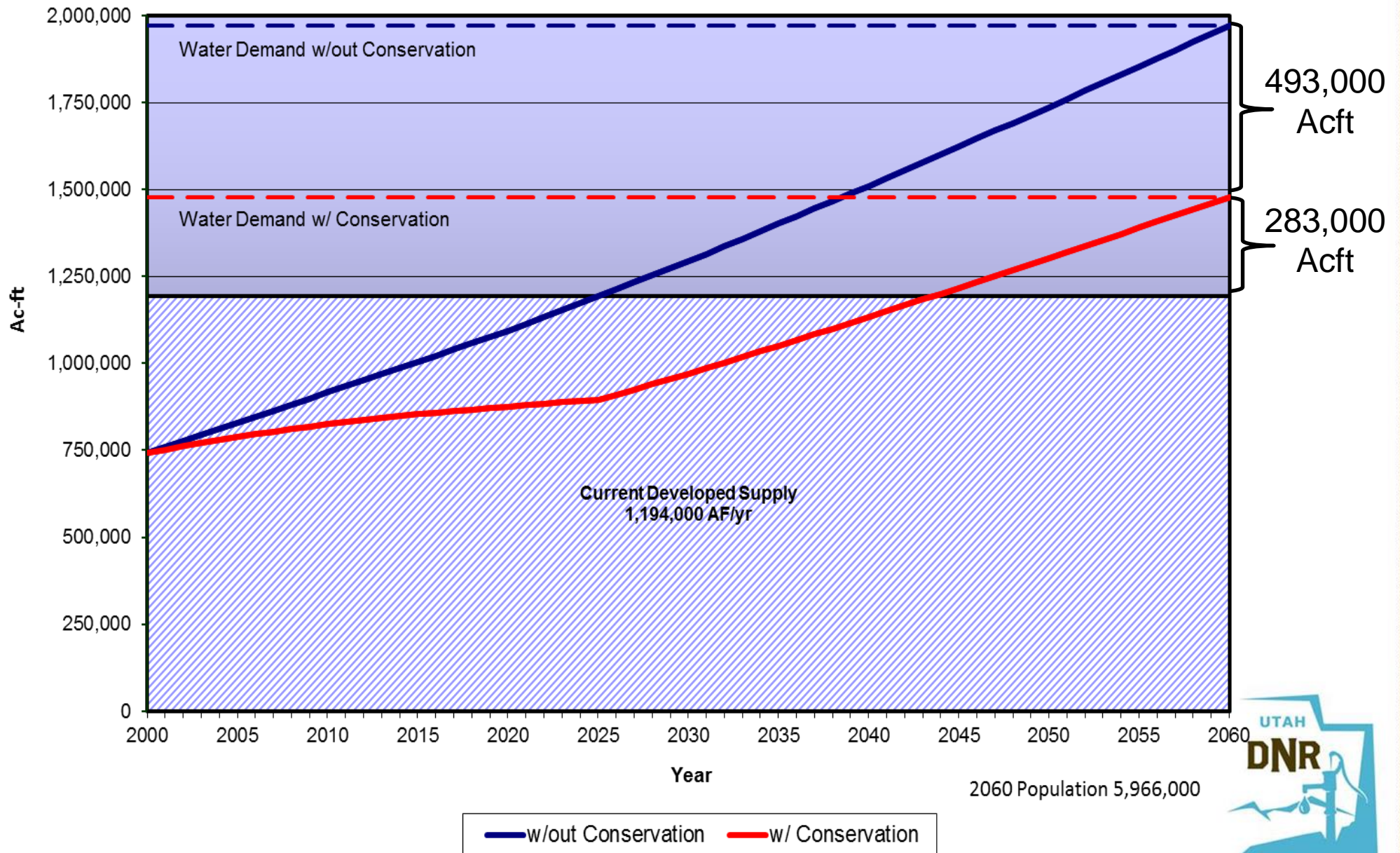
Aug 3, 2012
DWR\Funding

Meeting Future Needs

- Water Conservation
- Agricultural Water Conversions
- Management Strategies
- Water Development



Utah's Projected Water Demand & Potential Supply



Reduce Water by 25% before ~~2050~~ 2025

Is the “new” goal achievable?

Water Conservation 2000-
2010

Reduction of 18%

Achieved through

- Public Education
- Slow the Flow Media Campaign
- Technology Improvements
- Water Suppliers accountability (Conservation Plan Act)

Water Conservation 2010-2025

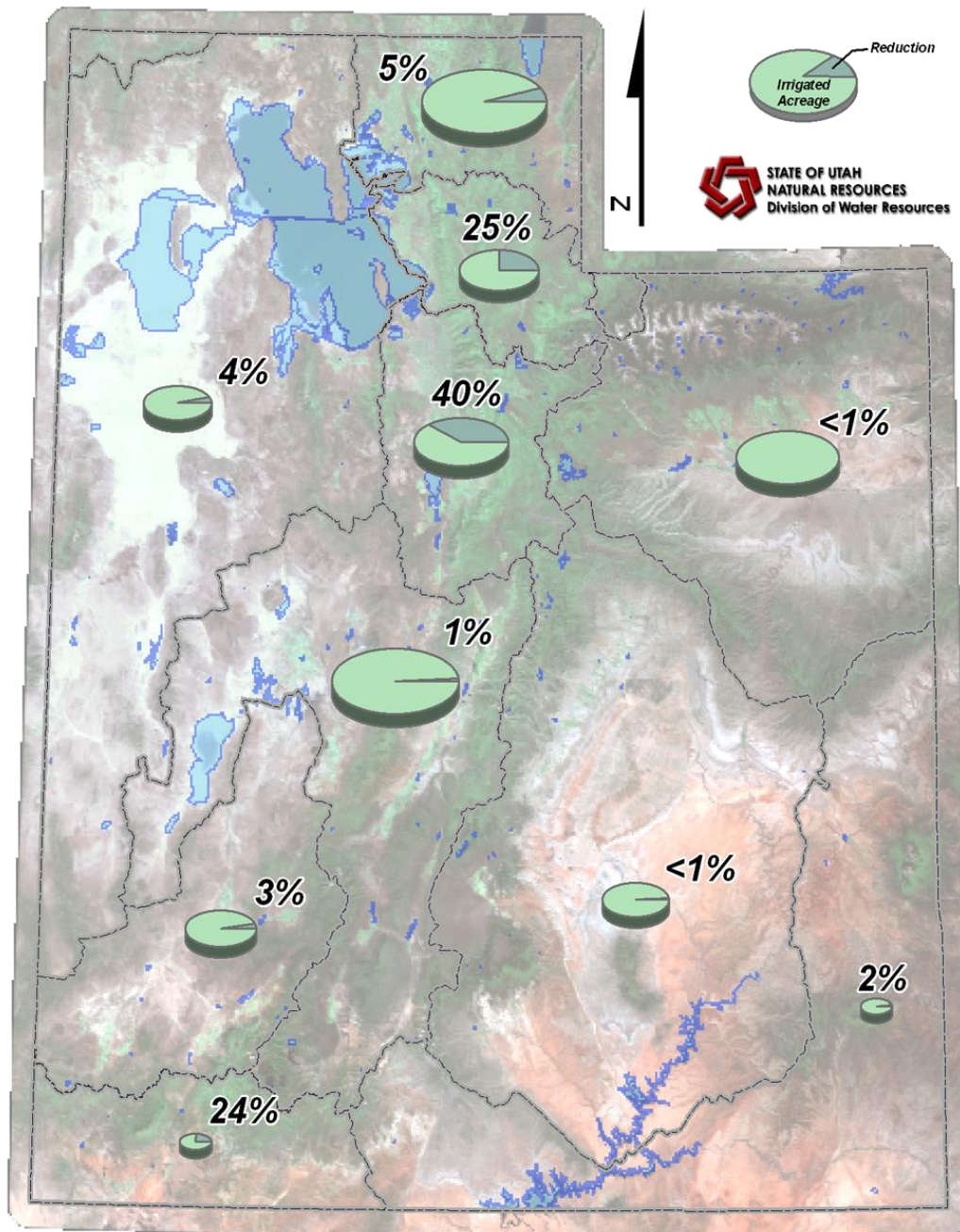
Reduction of additional 7%

Potentially Achieved through

- Focused Public Education
- Slow the Flow Media Campaign
- Cheaper Technology
- Water Conservation Plans Tracking
- Younger Generation



PROJECTED REDUCTION IN IRRIGATED LAND BY BASIN
2000 to 2050



Reduction in Irrigated Acres

- Total irrigated land – 1,380,000 acres
- 134,000 acres or 10% of the total farm land will be urbanization by 2050 providing about 260,000 AF of water annually.



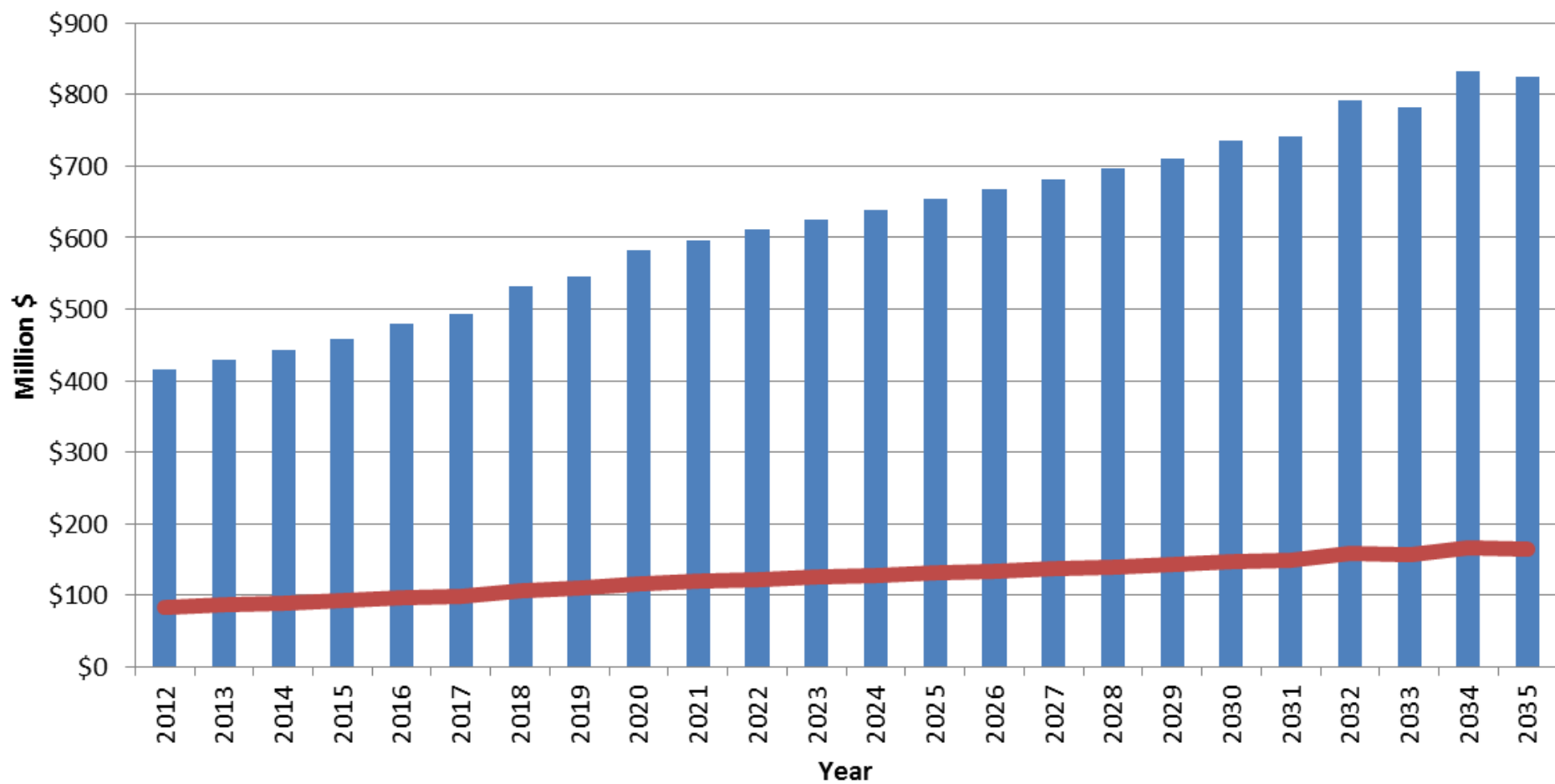






SO, ... HOW'S YOUR DAY GOING?

Average Projected Annual Funding Needs Water Infrastructure Projects



Water Funding

- Cash
- Market (Loans/Bonds)
- Loans (State & Federal)
- State & Federal Grants

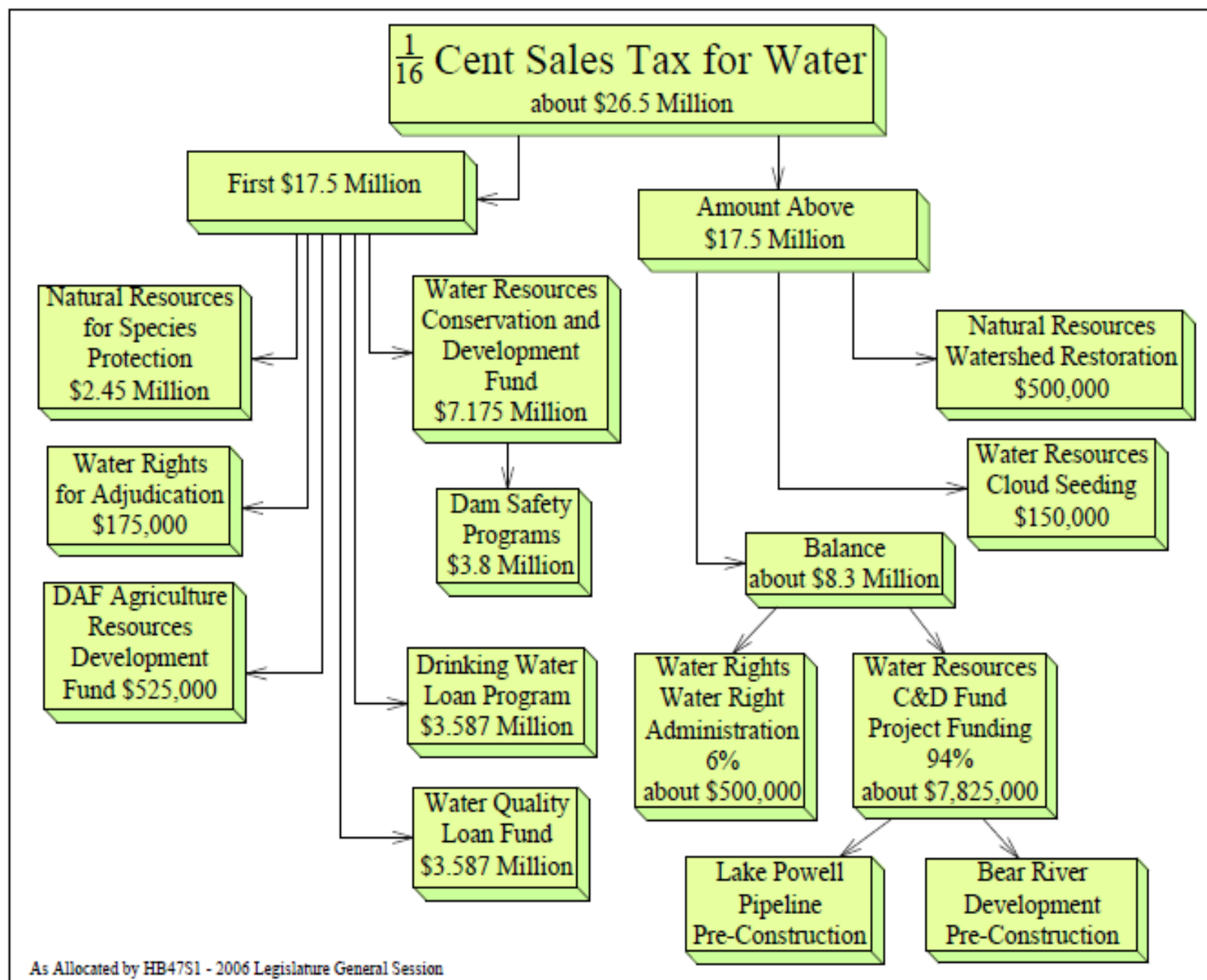
Revenue Types

- Water Rates
- Property Tax
- Impact Fees
- Reserve Accounts
- Replacement Accounts

Bear River Development Act 1991

Lake Powell Pipeline Act 2006



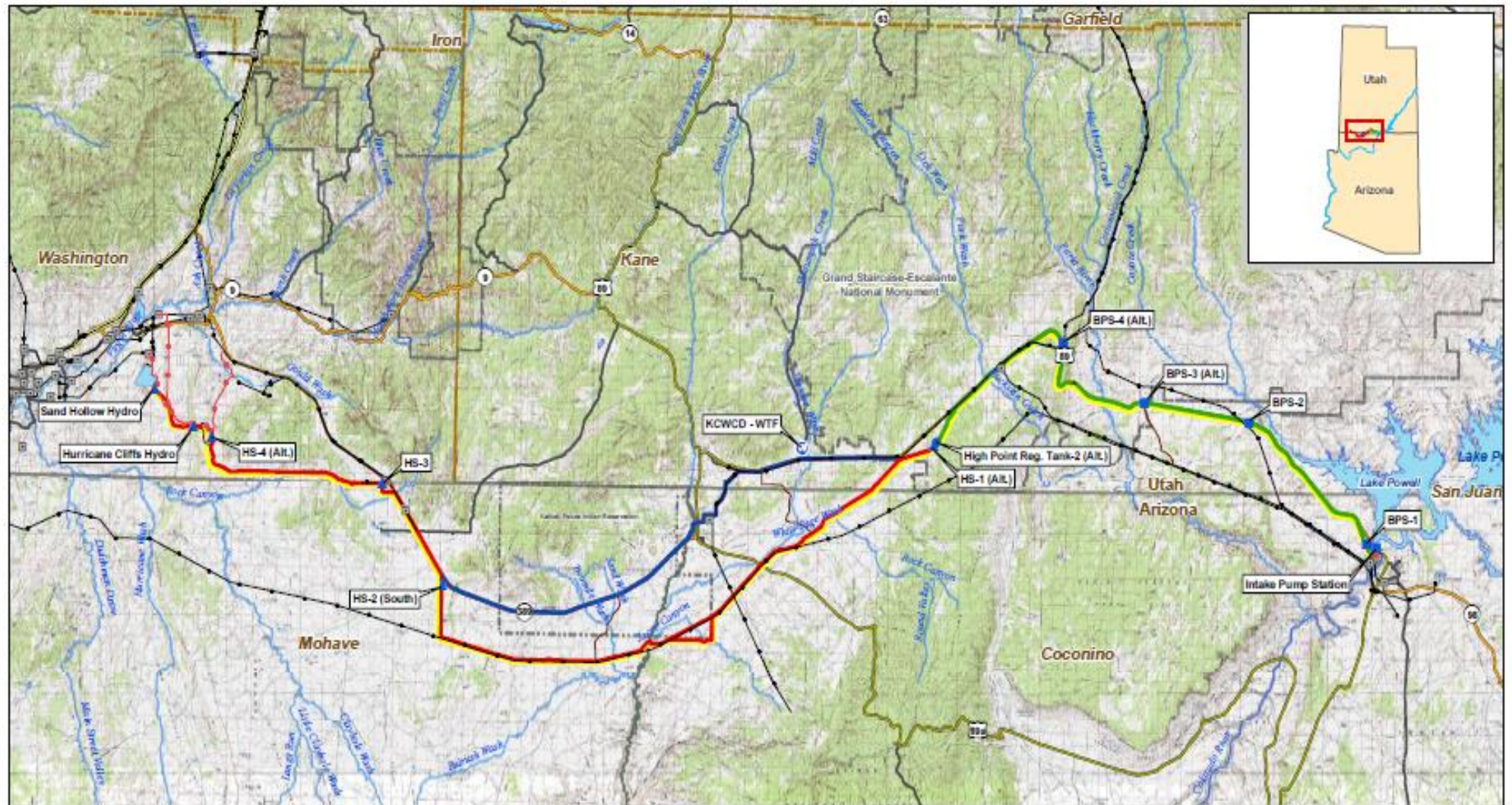


As Allocated by HB4751 - 2006 Legislature General Session

Lake Powell Pipeline Project



Lake Powell Pipeline Alignment



FERC Project Number:
12966-001
BLM Serial Numbers:
AZA-34941
UTU-85472

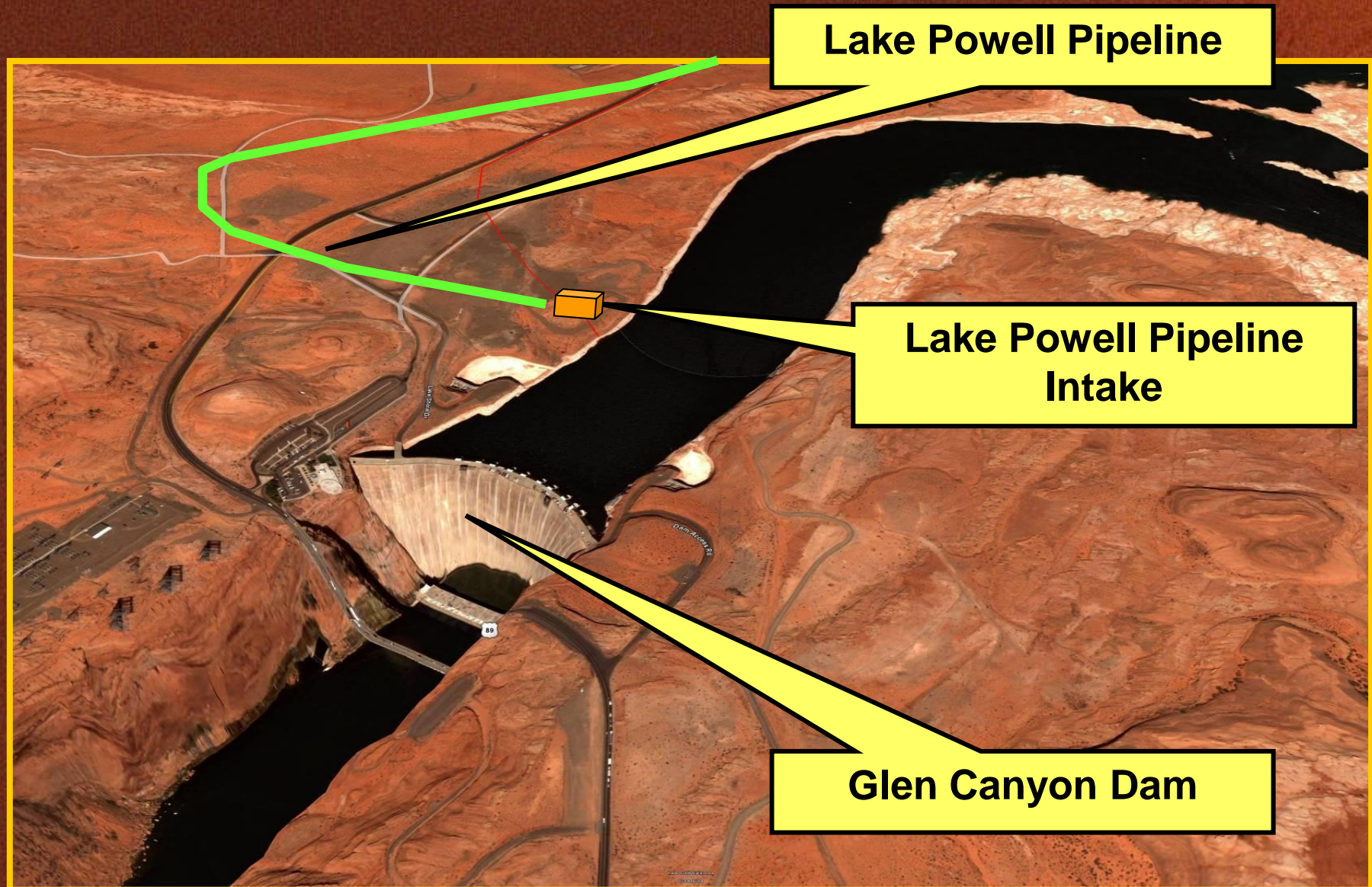


Lake Powell Pipeline Project
Spatial Reference: UTM Zone 12N, NAD83

UDWR Figure 1-1 MWH

Lake Powell Pipeline
Proposed Project

Glen Canyon Dam and Intake Site



LAKE POWELL PIPELINE

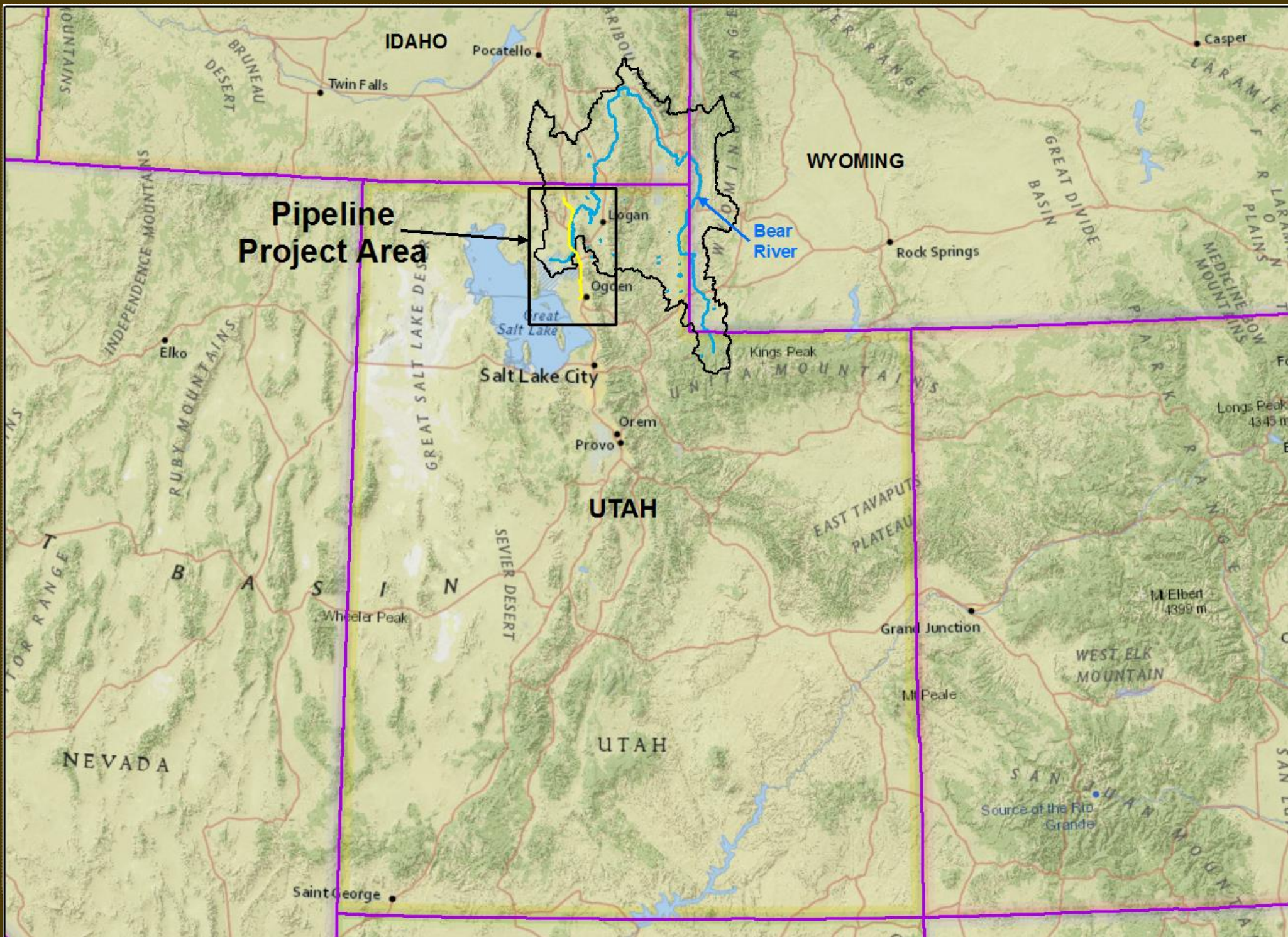
Lake Powell Pipeline State Water Allocation

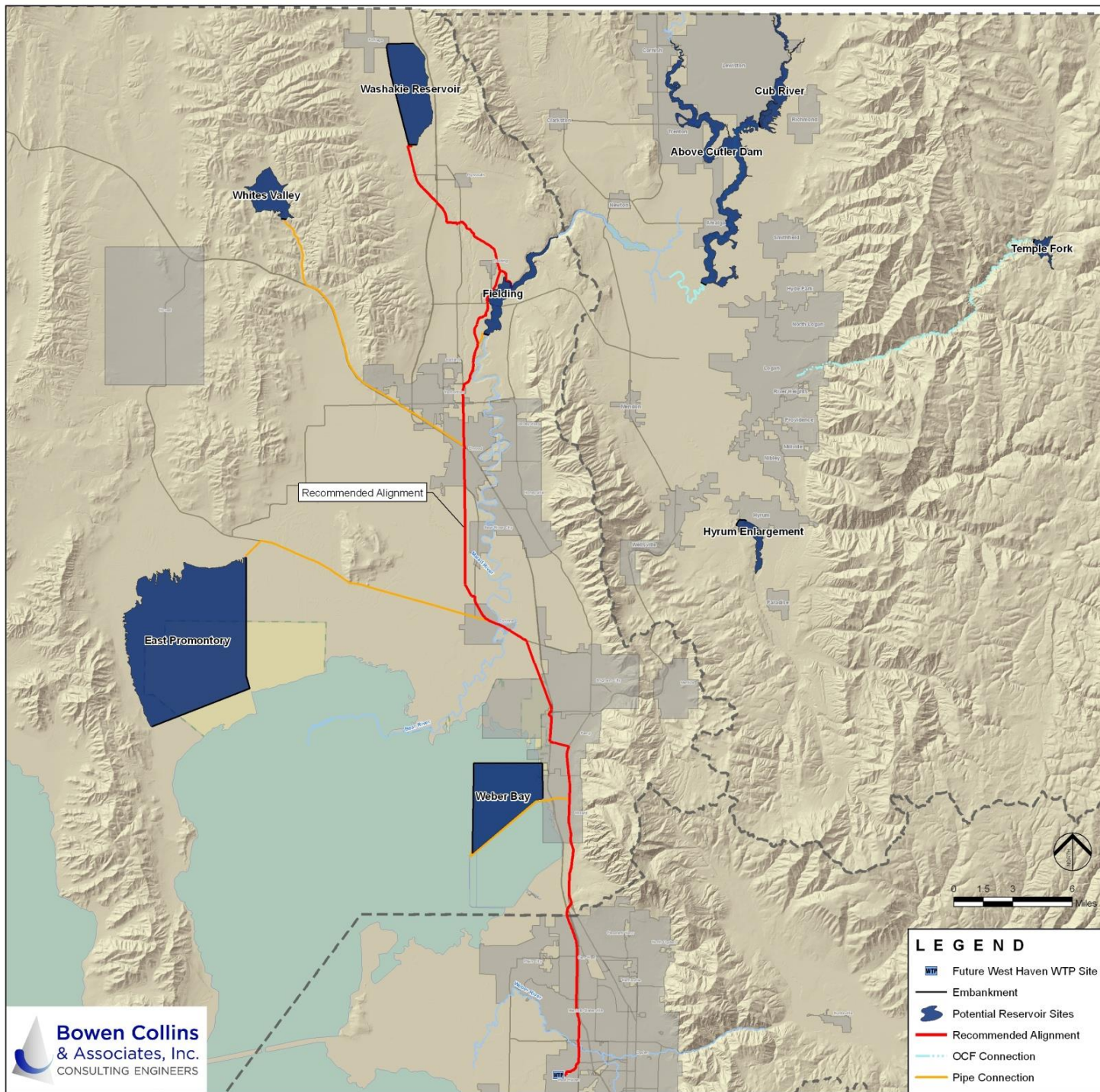
- **86,249 ac ft per year**
- 82,249 ac-ft/year to Washington County WCD
- 4,000 ac-ft/year to Kane County WCD



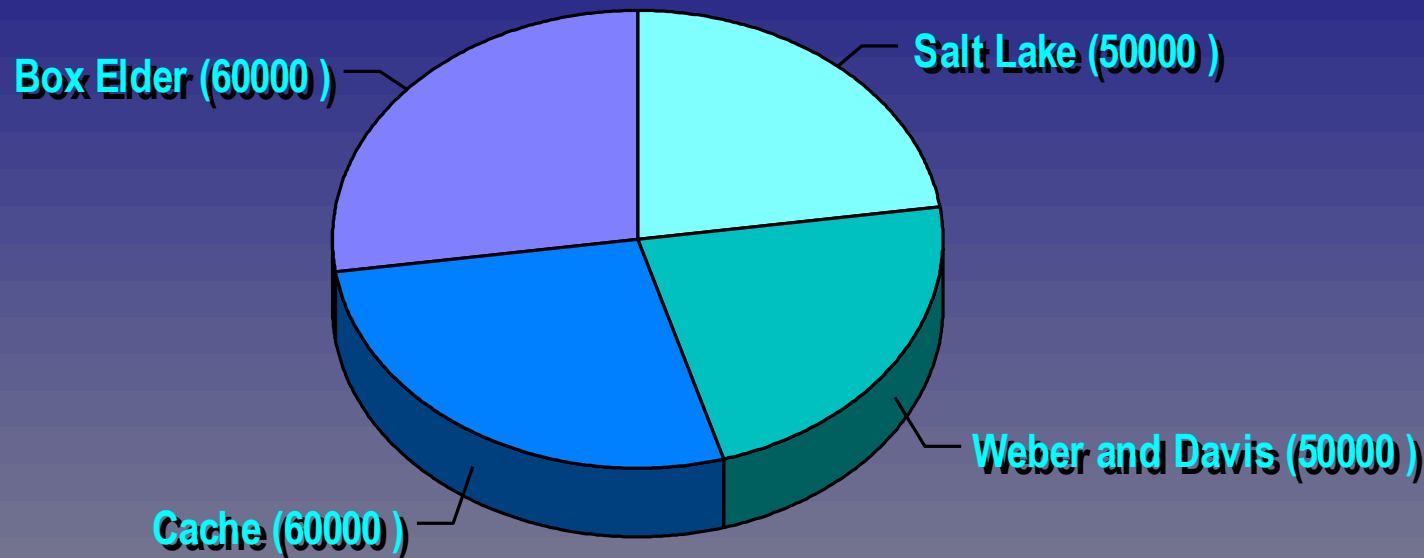
Bear River Development Project







Allocation of Developable Water in Bear River



Governor & Utah Water Users Association Water Summit 2013



If We Each Save a Little, We All Save A lot!

